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| | |
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| | |
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| Quantitative Characteristics of Complexes of Trimethyl(trifluoro-1-propynyl)stannane with Electron-Donor Solvents - V. S. Zavgorodnii, B. V. Polozov, Yu. V. Kondrat'ev, E. T. Bogoradovskii, and A. A. Petrov. | 1893 2074 |
| Reactions of 1,1,1-Trimethylsilylamines with α -Substituted Alkyl Isocyanates - A. D. Sinitsa, N. A. Parkhomenko, and E. A. Stukalo | 1896 2077 |
| Synthesis of Disilylbenzenes with Different Silyl Substituents - B. I. Vainshtein and L. P. Bogovtseva | 1899 2081 |
| Vapor-Phase Reaction of Benzofuran with Trichlorosilane under the Action of Accelerated Electrons - B. I. Vainshtein, I. P. Tokareva, T. L. Krasnova, V. V. Stepanov, E. A. Chernyshev, A. V. Kisin, and A. N. Kurskii. | 1901 2083 |
| Reactions of Dichlorodiorganosilanes with Phenol - A. N. Mikhailova, M. M. Morgunova, D. Ya. Zhinkin, and G. L. Merkulova | 1905 2087 |
| Properties of 1,3-Bis(diphenylsilyl)tetraphenylcyclodisilazanes - Yu. M. Varezkin, D. Ya. Zhinkin, M. M. Morgunova, and V. P. Anosov. | 1907 2089 |
| Hydrosilylation of Arylalkene in Presence of Phosphine Complexes of Platinum(II) - V. O. Reikhsfel'd, M. I. Gel'fman, T. P. Khvatova, M. I. Astrakhanov, and I. V. Gavrilova. | 1910 2093 |
| Influence of Structure on the Complex-Forming Power of Aliphatic-Aromatic Amino Amides - E. Ya. Borisova, E. P. Buchikhin, L. A. Lukashova, E. M. Cherkasova, and L. A. Dubrovina | 1915 2099 |
| Influence of Structure on the Electron-Donor Properties of Selenoxides. II. Thermodynamic Characteristics of the Interaction of Aromatic Selenoxides with Phenol - R. P. Klyshevich and E. P. Buchikhin. | 1918 2102 |
| Dissociation Constants of Some Aminobenzanilides - G. M. Gal'pern, A. P. Kreshkov, S. E. Ser'yanova, L. G. Mokrova, and V. K. Shchel'tsyn | 1920 2104 |
| Study of the Interaction of Trioctylamine with Some Phenols by Solubility, Spectrophotometry, and NMR Methods - V. V. Lukachina, V. V. Trachevskii, and V. Ya. Proshko. | 1923 2107 |

| | | |
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| Synthesis and Complex-Forming Properties of 3-[[Bis(carboxymethyl)amino]methyl]-2,4-dihydroxybenzoic Acid - M. N. Rusina, L. M. Timakova, G. F. Yaroshenko, M. Z. Branzburg, and V. Ya. Temkina | 1927 | 2112 |
| Synthesis and Properties of Charge-Transfer Complexes and Autocomplexes. XX. Investigation of Autocomplexes of the 1,4-Naphthoquinone Series by the PMR Method - É. É. Liepin'sh, Ya. F. Freimanis, and Ya. Ya. Dregeris | 1932 | 2117 |
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| Complex Lipids. Synthesis of a Phosphatidylethanolamine and a Phosphatidylinositol by the Direct Acylation of Glycerol Phosphoric Esters with Fatty Acid Anhydrides - V. A. Sukhanov, N. L. Sergovskaya, V. I. Shvets, and R. P. Evstigneeva. | 1943 | 2130 |
| Carbohydrate-Containing Phospholipids. Synthesis of β -D-Glucopyranosyl Citronellyl Phosphate - L. L. Danilov, L. V. Volkova, and R. P. Evstigneeva | 1948 | 2137 |
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| Acid-Base Equilibria in Solutions of Bilirubin - I. V. Kolosov and E. P. Shapovalenko | 1959 | 2149 |
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| Reactions of Silicon-Containing Aminopropionitriles with a Grignard Reagent - R. A. Sultanov, A. M. Garamanov, G. K. Bairamov, and É. G. Akperova. | 1962 | 2152 |
| Spectroscopic Investigation of the Reaction of cis-[Pd{P(OR) ₃ } ₂ (NCS) ₂] with Tin Dichloride in Acetone - L. V. Fomenko, A. D. Troitskaya, and É. G. Yarkova | 1963 | 2152 |
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| Sodium (1-Adamantyl)silanolates and Tris[(1-adamantyl)siloxy]boranes - A. P. Khardin, V. P. Ushchenko, and A. D. Kim. | 1965 | 2154 |
| Enthalpies of Mixing of Methyl Derivatives of Elements of Groups II, III, V, and VI - V. G. Tsvetkov, B. I. Kozyrkin, K. K. Fukin, and R. F. Galiullina. | 1966 | 2155 |
| Study of Acid-Base Equilibria in Aqueous Solutions of Bilirubin by the Solubility Method - I. V. Kolosov and E. P. Shapovalenko. | 1967 | 2155 |
| Phosphonate-Phosphate Rearrangement in the Reaction of Sodium Diethyl Phosphite with Benzaldehyde - A. N. Pudovik, I. V. Konovalova, M. G. Zimin, and A. A. Sobanov | 1968 | 2156 |
| Phosphorylation of Amidines. Reactions of N,N-Dialkyl-2,2,2-trichloroacetamides with Triethyl Phosphite - V. I. Shevchenko, V. I. Kal'chenko, and A. D. Sinitsa | 1969 | 2157 |
| Phosphoryl Analogs of Substituted 2-Thiazolin-5-ones and 2-Imidazolin-5(4)-ones - B. S. Drach and O. P. Lobanov. | 1970 | 2158 |
| Reactions of Phosphines Having a Mobile Hydrogen Atom in the α Position with Carbon Tetrahalides - O. I. Kolodyazhnyi. | 1971 | 2159 |
| Stereochemistry of the Acylation of Phosphorus Seleno Acids - N. A. Buina, F. G. Sibgatullina, M. A. Giniyatullina, and I. A. Nuretdinov | 1972 | 2160 |

| | | |
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| Investigation of Solutions of Antimony Trichloride in Ethanol by the Electrodialysis-NMR Method - P. M. Borodin, G. P. Kondratenkov, and G. M. Khvostik | 1979 | 2166 |
| Equilibria of Two and Three Liquid Phases in the System Nitromethane-Decyl Alcohol-Water - V. P. Sazonov and A. G. Gromakovskaya | 1981 | 2168 |
| Influence of the Structure of Phosphoryl-Containing Compounds on Their Association with Lithium and Potassium Cations - N. G. Osipenko, É. S. Petrov, Yu. I. Ranneva, E. N. Tsvetkov, and A. I. Shatenshtein | 1984 | 2172 |
| Reactions of S-Phosphinyl- and S-Phosphinothioyl-Thiohydroxylamines with Isocyanates and Isothiocyanates - B. A. Khaskin, N. A. Torgasheva, and N. N. Mel'nikov | 1987 | 2176 |
| Kinetic Investigations of Nucleophilic-Replacement Reactions with Cyclohexylphosphonous Compounds - A. N. D'yakonov, P. M. Zavlin, and V. M. Al'bitskaya | 1989 | 2178 |
| Electron-Donor Properties and Structure of Substituted Benzoylphosphonic Esters - A. A. Shvets, O. A. Osipov, and L. M. Tokina | 1991 | 2180 |
| Synthesis and Properties of Alkyl (2-Chloroalkyl)- and (β-Chlorophenethyl)-(dialkoxyphosphinyl)carbamates - Ya. G. Bal'on, R. N. Moskaleva, and V. E. Paranyuk | 1995 | 2184 |
| $\sigma\rho$ Correlations and Isokinetic Relations in the Soudinger Reaction - L. F. Kasukhin, M. P. Ponomarchuk, T. I. Klepa, V. P. Lysenko, and Yu. G. Gololobov | 1998 | 2188 |
| Synthesis and Some Physicochemical Properties of Phosphoric Amides - G. F. Bebikh, L. M. Troitskaya, and E. P. Buchikhin | 2005 | 2196 |
| 1-Aziridinyl Derivatives of 1,3,2-Diazaphosphorines - L. D. Protsenko, V. I. Shevchenko, P. P. Kornuta, and I. S. Trokhimenko | 2008 | 2199 |
| Reactions of Chlorocarbamic Esters with Trialkyl Phosphites - V. A. Shokol, N. K. Mikhailyuchenko, and L. I. Molyavko | 2010 | 2202 |
| 2-Chloro-1-(diethoxyphosphinyl)ethyl Isocyanate - N. K. Mikhailyuchenko and V. A. Shokol | 2011 | 2203 |
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